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# ENVIRONMENT

A publication of the Scientists' Institute for Public Information

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July 20, 1973

Dr. Robert A. Conard  
Medical Research Center  
Brookhaven National Laboratory  
Upton, Long Island, New York

Dear Dr. Conard:

At the time of the Bravo test, early announcements of those exposed to fallout referred to a group of U.S. servicemen, as well as to the Marshallese and the Japanese fishermen on the Lucky Dragon. It was reported that their exposures were less, because they took shelter, and decontamination measures. However, I assume that there was some effort to estimate their exposure, and some followup to ascertain whether any of them suffered subsequent ill effects. Can you provide answers to the following questions, or direct me to any published reports which might answer them?

- 1) How many servicemen were exposed?
- 2) To what estimated dose?
- 3) What data were obtained on immediate effects?
- 4) How long were they followed?
- 5) What data were obtained on their subsequent health? What illnesses, if any, developed in this group that might have been attributed to their radiation exposure?

I am also interested in learning whether any other groups of servicemen or AEC personnel were exposed to close-in fallout in the course of the testing program, what followup studies were done, and the data, if reported.

Have there been any scientific reports in either English or Japanese of late effects among the Lucky Dragon fishermen?

Thank you for any assistance you can give me in obtaining this information.

Sincerely,

*Virginia Brodine*  
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